INDEX TO CONTENTS OF 1993 AMS

Vol. 7 1993

NO. 1

A Simple Prognostic Closure Assumption to Deep Convective Parameterization: 1	
Chen Dehui (陈德辉) and Philippe Bougeault (1)
Implicit Nonlinear Normal Mode Initialization: A Multigrid Approach	
D. R. C. Nair, B. Chakravarty and P. Niyogi	
The Three-Level Global Atmospheric General Circulation Model: Formulation and Results	
Chen Longxun (Bill	
Wang Anyu (王安宇), Fan Yun (獎 云), Chen Shaowei (陈绍伟) and Wu Chisheng (吴德胜)	(31)
The Role Played by the Stratosphere in Greenhouse Effects	
Guo Caili (郭彩丽), Li Weiliang (李维亮) and Liu Yu (刘 - 煜)	(50)
Numerical Study on Effects of the Qinghai-Xizang Plateau on Formation of the Ural Blocking High	
	(61)
A Possible Mechanism of Abrupt Global Warming in the 1920s Wang Qiang (王 强) and G. R. Demaree	(70)
Study on Air-Sea Heat Exchange Mechanism in El Nino and La Nina Events	
Study of Nonlinear Rossby Waves in the Atmosphere under Semi-Geostrophic Approximation	
	(90)
The Combinatory Method for Determination of the Turbulent Fluxes and Universal Functions in the Surface	
Layer	(101)
Climate Change in China and Its Influence on Agriculture Production in the Last 40 Years	
	(110)
Variation in Thermodynamic Structure of PBL as a Monsoon Depression Passes——A Case Study	
G. Rajkumar, R. S. Saraswat and B. Chakravarty	(115)
Some Rules of Variation Coefficient of Annual Rainfall in Xinjiang, China	
	(123)

NO. 2

The Formation and the Development of CAMS Two-Dimensional Dynamical—Physical Climate Model	
Li Weiliang (李维亮), Gong Wei (養 威) and Wang Wei-Chyung	(129)
Variations of Sea Surface Temperature and Sea Level Pressure over the Pacific and Indian Oceans and Their	
Influence on Cold Summer in East Asia	(147)
Study of the Randomness Inherent in the Typhoon Movement	
Luo Zhexian (罗哲賢) and Ma Jingxian (马镜齁)	(153)
Zonal Mean Structures of the Extratropical Troposphere	(162)
Low-Frequency Oscillation and Mechanism of Vertical Circulation of Eastern Asian Monsoon	
Yang Song (稀 松), Zhu Qiangen (朱乾報) and Wang Jiande (王建德)	(176)
Energy Equation and Symmetric Instability Criterion	(186)
A Study on the Variations of Circulation Pattern in the Northern Hemisphere and Climate Change in China for	
the Recent 100 Years	(194)
Radiative Characteristics of Aerosols at Golmud on the Tibetan Plateau	
Sun Zhi' an (孙治安) and Keith P. Shine	(199)
A Simple Prognostic Closure Assumption to Deep Convective Parameterization: II	
	(212)
On the Effect of Ambient Turbulence on the Buoyant Plume Rise	
	(224)
Comparison of Single-Station Lightning Location with Three-Station Measurements and Radar Data	
Tao Shanchang (陶善昌), Li Xi (李 曦), Meng Qing (孟 青) and Liu Guangbao (刘光保)	(232)
Lightning Data and Study of Thunderstorm Nowcasting	
Qie Xiushu (都秀书), Yan Muhong (言穆弘), Guo Changming (郭昌明) and Zhang Guangshu (张广陈)	(244)
NO. 3	
A Three-Dimensional Elastic Nested-Grid Meso-(β-γ) Scale Atmospheric Model——Part I: Model Description	on
	(257)
Numerical Modeling of Air Pollutant and Rainfall Effect on Acid Wet Deposition	
	(273)

Preliminary Analysis of the Variations of Surface Ozone and Nitric Oxides in Lin' an
Zhou Xiuji (周秀囊), Luo Chao (罗 超), Ding Guo'an (丁國安), Tang Jie (汤 洁) and Liu Qi jun (刘奇俊) (287)
Measurements of Ice-Forming Rates Produced by Supersonic Flow and Investigation of Mechanisms of Ice
Crystal Generation ************************************
Numerical Simulations of the Effects of Aerosols in the Atmospheric Boundary Layer on the Climate
Radiation Balance and Turbulent Flux Characteristics over Mizuho Station in Antarctica
Liu Shuhua (刘柯华), Yu Peng (于 鹏) and Xiong Kang (熊 康) (316)
Theoretical Calculation Model of Shortwave Radiation for the Earth-Atmosphere System and Its Testing
Results
The Meander of Kuroshio and Oscillation in a Coupled Ocean-Atmosphere Model
Role in Moisture Transportation of Seasonal Mean and Intraseasonal Oscillations in Asian Summer Monsoon
Area—Long-Term Average Characteristics ······
Northern and Southern Hemispheric Polar Lows——A Comparative Study Erik A. Rasmussen (355)
Advances in Applied Research of the Outgoing Longwave Radiation in China Jiang Shangcheng (蒋尚斌) (367)
Subscription Information on the AMS (381)
New Books (382)
NO. 4
Analysis of a Case of East Asia Coastal Cyclogenesis
Modulation of Atmospheric Thermal and Mechanical Forcings and Numerical Modeling of Mean Meridional
Circulation
The Numerical Simulation of the Ice Age Climate ************************************
Numerical Experiments on the Effect of Indian Subcontinent Vegetation Cover on Summer Monsoon
Li Weiliang (李维亮) and Zhang Zhengqiu (张正教) (431)
Quasi-Resonance of Baroclinic Atmospheric Waves and Extratropical Low-Frequency Oscillation
Lu Weisong (陆维松) (442)

Mixed-Phase Stratiform Cloud System Model and Case Modeling on Two Low-Level Mesoscale Vortices
Liu Gongbo (刘公敦), Hu Zhij in (胡志青) and You Laiguang (蘅来光) (454)
A Three–Dimensional Elastic Nested–Grid Meso– $(\beta-\gamma)$ Scale Atmospheric Model——Part II: Model Validation
Trajectory Diagnosis of Air Parcels in High- and Low-Level Jets for a Heavy Rainfall Case During Meiyu
Season of 1991
The Effects of Vertical Variation of Basic Flow and Horizontal Gradient of Temperature on Linear and
Nonlinear Gravity Waves
Subscription Information on the AMS ······ (505)
New Books (506)
Index to Contents of 1993 AMS(509)

